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TR/CMS-II/PRE/2022

Test Booklet Series

TEST BOOKLET
GENERAL STUDIES
AND ARITHMATIC

D

(Signature of the Candidate)

(Invigilator's Signature)

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Time Allowed – 1 hour 30 minutes **Maximum Marks – 100**

INSTRUCTIONS

1. PLEASE CHECK THE TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D AS THE CASE MAY BE IN THE APPROPRIATE PLACE ON THE ANSWER SHEET BY BLACK BALL POINT PEN ONLY.**
3. This Test Booklet contains 100 items (questions). Each question, carrying one (1) mark only, has four responses (answers). You will select the responses which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the most appropriate. In any case, choose ONLY ONE response for each item.
4. You have to mark all your responses ONLY on the separate Answer Sheet provided. See directions in the Answer Sheet.
5. All items carry equal marks.
6. Before you proceed to mark on the Answer Sheet the responses to various items in the Test Booklet, you have to fill in some particulars on the Answer Sheet as per instructions sent to you with your Admission Certificate.
7. After you have completed filling in responses on the Answer Sheet and the Examination is completed, you should handover the Answer Sheet to the Invigilator only. You are permitted to take away the Test Booklet.
8. Sheets for rough work are appended on the Test Booklet at the end.
9. **Penalty for wrong answers :**
   (a) There will be four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-fourth** of the marks assigned to that question will be deducted as penalty.
   (b) If a candidate gives more than one answer, it will be treated as a **Wrong Answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
   (c) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Four options are given against each of the following questions. Select the best/correct option from among the four options and encode in the Answer Sheet by using **Black Ball Point Pen** only as per example given below :

Example : The capital of India is

(A) Delhi (B) New Delhi

(C) Indraprastha (D) None of these

PART–A

Direction for Question Nos. 1 to 8.

Choose the correct prepositions/articles : 1×8=8

1. These three men quarrelled _____ themselves.

(A) among (B) between

(C) with (D) against

2. I left my bedding _____ the station.

(A) on (B) at

(C) in (D) upon

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3. The village possesses _____ scenic beauty.

(A) some (B) a

(C) an (D) the

4. This is _____ boy whom I saw yesterday.

(A) the (B) a

(C) an (D) None of these

5. He looks upset, I think he took the criticism _____ heart.

(A) at (B) with

(C) of (D) to

6. We _____ going to Delhi, to complete his higher studies, next summer

(A) shall be (B) will be

(C) would be (D) should be

7. He's still unemployed, _____ ?

(A) wasn't he (B) isn't he

(D) didn't he (D) not he

8. He had conspired _____ me.

(A) about (B) against

(C) in (D) before

Direction for Question Nos. 9 to 10.

Choose the correct synonym (most nearest meaning) : 1×2=2

9. 'Docile'

(A) Submissive (B) Stubborn

(C) Strong (D) Changeable

10. 'Bemoan'

(A) Lament (B) Soothe

(C) Denounce (D) Loathe

Direction for Question Nos. 11 to 12. 1×2=2

Choose the correct antonym (most opposite meaning) :

11. 'Gargantuan'

(A) Humongous (B) Dwarf

(C) Colossal (D) Routinely

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12. 'Exposition'

(A) Explanation (B) Critique

(C) Silence (D) Pronouncement.

Direction for Question Nos. 13 to 16.

Find out the correct option for the given sentences : 1×4=4

13. (A) Worthy of an elderly man he showed courage

(B) He showed courage worthy of an elderly man

(C) An elderly man, worthly of, he showed courage

(D) Worthy of, he showed courage, an elderly man

14. (A) At a stretch, it rained for five hours, under kneedeep water, the town was

(B) Under kneedeep water, the town was, at a stretch it rained for five hours.

(C) It rained for five hours at a stretch and the town was under kneedeep water.

(D) The town was, at a stretch, under kneedeep water, it rained for five hours.

15. (A) Of his duties negligent, was Mohan

(B) Negligent was Mohan of his duties

(C) Mohan was negligent of his duties

(D) Was Mohan, of his duties, negligent

16. (A) The foolish crow tried to sing

(B) The foolish crow wanted to sing

(C) The crow tried to sing foolishly

(D) The crow attempted to sing foolishly

Direction for Question Nos. 17 to 20. 1×4=4

Read the following passage carefully. The Passage is followed by four questions based on it. Alternative answers have been given for each question. Select the most suitable answer from the alternatives.

In the 16th century, an age of great marine and terrestrial exploration, Ferdinand Magellan led the first expedition to sail around the world. As a young Portuguese noble, he served the king of Portugal, but he became involved in the quagmire of political intrigue at court and lost the king's favor. After he was dismissed from service by the king of Portugal, he offered to serve the future Emperor Charles V of Spain.

A papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal. Magellan offered to prove that the East Indies fell under Spanish authority. On September 20, 1519, Magellan set sail from Spain with five ships. More than a year later, one of these ships was exploring the topography of South America in search of a water route across the continent. This ship sank, but the remaining four ships searched along the southern peninsula of South America. Finally they found the passage they sought near 50 degrees S latitude. Magellan named this passage the Strait of All Saints, but today it is known as the Strait of Magellan.

One ship deserted while in this passage and returned to Spain, so fewer sailors were privileged to gaze at that first panorama of the Pacific Ocean. Those who remained crossed the meridian now known as the International Date Line in the early spring of 1521 after 98 days on the Pacific Ocean. During those long days at sea, many of Magellan's men died of starvation and disease.

Later, Magellan became involved in an insular conflict in the Philippines and was killed in a tribal battle. Only one ship and 17 sailors under the command of the Basque navigator Elcano survived to complete the westward journey to Spain and thus prove once and for all that the world is round, with no precipice at the edge.

17. Who led the first expedition to sail around the world ?

(A) Columbus (B) Magellan

(C) Giordano Bruno (D) Fra Lippo Lippi

18. What did A papal decree of 1493 declare ?

(A) A Papal decree of 1493 had assigned all land in the New World west of 50 degrees W longitude to Spain and all the land east of that line to Portugal.

(B) That Charles V was to visit the Holy lands

(C) The Israel would be gifted to Europe

(D) That Spain was to be gifted to the Moors

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19. What was the earlier name of the Strait of Magellan ?

(A) Palk Straits (B) Dire Straits

(C) Strait of all Saints (D) None of these

20. Many sailors who crossed the meridian in 1521 suffered due to

(A) Natural high sea (B) Starvation and disease

(C) Vast panorama of pacific ocean (D) Political intrigue of Portugal

PART–B

21. Ujjayanta Palace of Tripura was established by

(A) Maharaja Krishna Kishore Manikya (B) Maharaja Radha Kishore Manikya

(C) Maharaja Bir Bikram Manikya (D) Maharaja Dhanya Manikya

22. Who abolished slavery from Tripura ?

(A) Maharaja Dhanya Manikya (B) Maharaja Bir Bikram Manikya

(C) Maharaja Bir Chandra Manikya (D) Maharaja Trilochan Manikya

23. The largest gland in the human body is

(A) Kidney (B) Pancreas

(C) Liver (D) Pituitary gland

24. A joint venture has been signed between Tripura Government and _____ to establish an International Data Center in Tripura.

(A) Verizon (B) Coresite

(C) NIXI-CSC (D) Digital Realty

25. The United Nations General Assembly has declared the year 2023 as

(A) International Year of Bio Diversity Conservation

(B) International Year of Millets

(C) International Year of Cereals

(D) None of these

26. In Village council of Reangs of Tripura, the priest is designated as ——.

(A) Ackai
(B) Kher pang
(C) Hazra
(D) Daoa

27. The 'Sagar Parikrama' (Phase-I) program was inaugurated at which State ?

(A) Kerala
(B) Gujarat
(C) Tamil Nadu
(D) Maharastra

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28. Who is the Winner of the French Open 2022 Men's single title ?

(A) Novak Djokovic
(B) Rafael Nadal
(C) Casper Ruud
(D) Lucas Alcaraz

29. Country's largest carmaker Maruti Suzuki India (MSI) Ltd. has joined hands with which bank to offer retail financing schemes to its customers ?

(A) HDFC Bank
(B) Axis Bank
(C) ICICI Bank
(D) None of these

30. Who is the first officer from the corps of engineers to become Chief of Army Staff (COAS) of India ?

(A) Lt. Gen. Bipin Rawat
(B) Lt. Gen. M. M. Naravane
(C) Lt. Gen. Manoj Pande
(D) Lt. Gen. Bikram Singh

31. What is the theme of the 'World Heritage Day 2022' ?

(A) Heritage and Climate
(B) Heritage and Tourism
(C) Preserve Heritage
(D) Teaching Children about Heritage

32. The name of the Mascot of 44th Chess Olympiad hosted by Chennai in 2022 is ____ ?

(A) Puruchhi
(B) Thilagam
(C) Kaadal
(D) Thambi

33. The newly elected British Prime Minister Rishi Sunak represented —— Parliamentary Constituency for House of Commons.

(A) South Norfolk
(B) Richmond (Yorks)
(C) North Norfolk
(D) North West Norfolk

34. The theme of International Day of 'Clean Air for Blue Skies-2022' is ___

(A) The Air We Share
(B) Air For The World
(C) Healthy Air Healthy Planet
(D) Clean Air For All

35. India's First 'Intra-nasal Corona Vaccine' which received DCGI approval was developed by

(A) Pfizer-BioN Tech
(B) Chiron Behring
(C) Bharat Biotech International Limited
(D) Biomed Private Limited

36. The biggest solar power plant of North East Region is situated in which district ?

(A) Sivasagar District
(B) Kameng district
(C) Tawang district
(D) Dibang Valley district

37. Which is the First Country to approve purchase of 'Brahmos' Missile from India ?

(A) Japan
(B) Phillipines
(C) Sri Lanka
(D) Saudi Arabia

38. 'SMILE' is a Central sector scheme to provide welfare and rehabilitation of transgenders and people engaged in the act of begging. This is launched by which Ministry ?

(A) Ministry of Education
(B) Ministry of Social Justice and Empowerment
(C) Ministry of Ayush
(D) Ministry of Skill Development and Entrepreneurship

39. Shri Narendra Modi, Prime Minister of India, attended the last Shanghai Cooperation Organisation (SCO) Summit in September, 2022 which was held in

(A) Uzbekistan
(B) Iran
(C) China
(D) Japan

40. Who won the Wimbledon (Women's Single) Tennis Championship 2022 ?

(A) Ons Jabeur
(B) Elena Rybakina
(C) Noami Osaka
(D) Casper Rund

41. The cheetahs which were released recently in the Kuno National Park by the Prime Minister of India were brought from

(A) Nigeria
(B) Uganda
(C) Kenya
(D) Namibia

42. Arrange the following Committees appointed to study and review Panchayat Raj Institutions in India in chronological order

(i) G.V.K Rao Committee

(ii) Hanumant Rao Committee

(iii) Harlal Singh Kharra Committee

(iv) L. M. Singhvi Committee

(A) (i), (iii), (ii), (iv)

(B) (ii), (i), (iv), (iii)

(C) (i), (ii), (iii), (iv)

(D) (i), (iv), (ii), (iii)

43. Consider the following statements in respect of Panchayat Raj Institutions

(i) Every Panchayat has right to receive Grant-in-Aid from the State Fund on the recommendation made by NITI Aayog.

(ii) The assigned/shared revenues are one which is collected by State Government but shared/transferred to Local bodies.

(iii) State Finance Commission recommends transfer of financial resources from Centre to the States.

(iv) The State Finance Commission created under Art. 243. (I) also reviews the financial position of Municipalities.

Which of the above statements are correct ?

(A) (ii) and (iv)

(B) (i) and (ii)

(C) (iii) and (iv)

(D) (ii) and (iii)

44. Consider the following statements in respect of Ashok Mehta Committee on Panchayat Raj System in India. This Committee recommended

(i) replacement of three-tier system by a two-tier system

(ii) setting up of Peace Committees at each district level to resolve non-secular issues

(iii) supremacy of elected bodies through devolution of powers

(iv) non-participation of political parties in Panchayat elections.

Which of the above statements are correct ?

(A) (i) and (ii)
(B) (iii) and (iv)
(C) (ii) and (iv)
(D) (i) and (iii)

45. Balwantrai Mehta Committee was appointed mainly to study

(i) Community Development Projects

(ii) National Extension Service

(ii) Rural Co-operatives

(iv) Rural bureaucracy

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Which of the above statements are correct—?

(A) (i), (iii) and (iv)
(B) (i) and (iv)
(C) (ii), (iii) and (iv)
(D) (i) and (ii)

46. Sir Charles Metcalfe, a leading civilian in the service of East India Company called village Panchayats as

(A) Little Republics
(B) Real Republics
(C) Unit Republics
(D) Last Republics

47. Which of the following statement/s is/are correct ?

Indian Constitution provides a clear mandate for Democratic Decentralization through

(i) Forty Second Amendment of the Constitution

(ii) Directive Principles of State Policy

(iii) Seventy Third Constitutional Amendment

(iv) Seventy Fourth Constitutional Amendment

(A) (i), (iii) and (iv)

(B) (i), (ii) and (iii)

(C) (ii), (iii) and (iv)

(D) All of these

48. Which of the following is/are the objective/s of Local-self Governments ?

(i) Administrative Delegation

(ii) Direct Democracy

(iii) Peoples participation in Development

(iv) Strengthen Federalism

(A) (i) and (ii)

(B) (i) and (iii)

(C) (iii) only

(D) All of these

49. Which among the following fundamental rights cannot be suspended during National emergency ?

(A) Article 14

(B) Article 19

(C) Article 20

(D) Article 23

50. In which of the following cases the Supreme Court held that 'the Indian Constitution is founded on the bedrock of the balance between the Fundamental Rights and the Directive Principles'?

(A) A. K. Gopalan vs. State of Madras

(B) Keshwanand Bharti vs. State of Kerala

(C) Maneka Gandhi vs. Union of India

(D) Minerva Mills vs. Union of India

51. 10% Reservation for EWS has been provided through

(A) 102nd Amendment, 2018
(B) 103rd Amendment, 2019
(C) 104th Amendment, 2019
(D) None of these

52. Twelfth Schedule of the Constitution of India specifies

(A) the powers, authority and responsibilities of Municipalities
(B) the powers, authority and responsibilities of Gram Panchayats
(C) the powers, authority and responsibilities of the State Government
(D) None of these

53. How many Fundamental Duties are provided in the Constitution of India ?

(A) 10
(B) 11
(C) 12
(D) 15

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54. Who is the Law Officer of the Union Government ?

(A) Solicitor General
(B) Attorney General
(C) Chairman, Law Commission
(D) Law Secretary, GOI

55. Who chairs the GST (Goods and Services Tax) Council ?

(A) Prime Minister
(B) Deputy Chairman, NITI Ayog
(C) Finance Minister of India
(D) Elected from among members

56. Delhi got National Capital Territory status by —

(A) 69th Amendment
(B) 70th Amendment
(C) 71st Amendment
(D) 93rd Amendment

57. In which State 'Black Cat Museum' is located ?

(A) Sikkim
(B) Mizoram
(C) Assam
(D) Manipur

58. The "Cachar Levy" the oldest para military force presently known as "Assam Rifles" was established in the year

(A) 1935
(B) 1835
(C) 1888
(D) 1948

59. Which of the following statement/s is/are correct in respect of Dawki River ——— ?

(i) This river is located in Mizoram
(ii) It is considered as one of the cleanest river in the country
(iii) This river is also called as Digaru river
(iv) The other name for this river is Umngot river

(A) (i) and (ii)
(B) (ii) and (iii)
(C) (ii) and (iv)
(D) (iii) and (iv)

60. The longest period Manipur State was kept under 'Disturbed Area Status was

(A) 1968 to 1998
(B) 1976 to 2000
(C) 1986 to 2020
(D) 1980 to 2004

61. Who among the following served as Prime Minister of Sikkim and later served as Chief Minister of Sikkim ?

(A) Tashi Namgyal
(B) Sidkeong Tulku
(C) Kazi Lhendup Dorjee
(D) Nar Bahadur Bhandari

62. Siliguri corridor also known as chicken neck has average width of _____.

(A) 21 km (B) 41 km

(C) 6 km (D) 80 km

63. With which of the three districts given below the State of Nagaland was formed ?

(A) Kiphire, Kohima and Tseminu

(B) Wokha, Kohima and Noklak

(C) Kohima, Mokokchung and Tuensang

(D) Dimapur, Kohima and Niuland

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64. The Aji Lamu is a Folk dance from which tribe ?

(A) Adi Tribe (B) Apatani Tribe

(C) Nishing Tribe (D) Monpa Tribe

65. When did Tripura become a Constituent State of India ?

(A) 2nd April 1977 (B) 24th March 1973

(C) 21st January 1975 (D) None of these

66. Seven NE States cover how much % of India's land area ?

(A) 12·6% (B) 7·6%

(C) 18·4% (D) 3·2%

67. When Ministry of Development of North Eastern Region was established ?

(A) 2006 (B) 2001

(C) 1999 (D) 2004

68. The name of Meghalaya was ascribed by

(A) Rabindranath Tagore (B) Gopinath Bordoloi

(C) Dr.Suniti Kumar Chattopadhyay (D) None of them

69. Dafla Hills is located in which of the following States ?

(A) Meghalaya (B) Tripura

(C) Arunachal Pradesh (D) Nagaland

70. Which of the following is the State flower of Tripura ?

(A) Marigold (B) Nageswar

(C) Rose (D) Hibicus.

PART – C

71. Three different liquids which have 10% water, 20% water and x% of water are mixed in the ratio of their quantity 2 : 3 : 4 respectively. If 12% of water is present in final mixture, calculate value of x.

(A) 9%
(B) 20%
(C) 7%
(D) 15%

72. If a man walks 3 km/h, he is late to his office by 20 minutes. If he increases his speed to 6 km/h, he reaches the office 30 minutes early. The distance of his office from the starting place is

(A) 6 km
(B) 5 km
(C) 5.5 km
(D) 4 km

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73. Time taken to cover (A+4) km in upstream is 3 times the time taken to cover (A – 2) km in downstream. If ratio of speed of boat in upstream to that of in downstream is 1 : 2 and time taken to cover (A + 6) km in downstream is 2 hours. Then find speed of boat in still water ?

(A) 4.5 km/hr
(B) 5.5 km/hr
(C) 4 km/hr
(D) None of these

74. Seven girls can do a piece of work in 13 days, six boys can do the same piece of work in 12 days, nine men can do the same piece of work in 9 days and six women can do the same piece of work in 14 days. Who are the most efficient ?

(A) Boys
(B) Girls
(C) Women
(D) Men

75. A sum of money tripled itself at compound interest in 10 years. In how many years will it become 27 times ?

(A) 35 years
(B) 31 years
(C) 30 years
(D) 32 years

76. A jeweler mixed gold and copper in two proportions. In type A alloy, 6 gm gold is mixed with 5 gm copper and in type B alloy, 5 gm gold is mixed with 3 gm copper. If jeweler have 122 gm gold and 90 gm copper, then find the weight of type B alloy.

(A) 80 gm
(B) 60 gm
(C) 70 gm
(D) 100 gm

77. Amir was born on Feb, 29th of 2012 which was a Wednesday. If he lives to be 101 years old, how many birthdays would he celebrate on a Wednesday ?

(A) 3
(B) 4
(C) 5
(D) 1

78. A waiter's salary consists of his salary and tips. During one week his tips were 5/4 of his salary. What fraction of this income came from tips.

(A) 5/9
(B) 5/4
(C) 5/8
(D) 4/9

79. A student is typing on the keyboard of computer from 1 to 500 digits and numbers. Then how many times he will press the buttons of key-board ?

(A) 526
(B) 603
(C) 1402
(D) 1392

80. Anil and Sunil are ranked seventh and eleventh respectively from the top in a class of 31 students. What will be their respective ranks from the bottom in the class ?

(A) 20th and 20th
(B) 24th and 20th
(C) 25th and 21st
(D) 26th and 22nd

81. A man is facing North-West. He turns 90° in the clockwise direction, then 180° in the anticlockwise direction and then another 90° in the same direction. Which direction is he facing now ?

(A) South
(B) South-West
(C) West
(D) South-East

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82. The calendar for the year 1993 will be same for the year

(A) 2004
(B) 2010
(C) 1999
(D) 2021

83. Shan is 55 years old, Sathian is 5 years junior to Shan and 6 years senior to Balan. The youngest brother of Balan is Devan and he is 7 years junior to him. So what is the age difference between Devan and Shan ?

(A) 15 years
(B) 18 years
(C) 13 years
(D) 7 years

84. Arrange the following words according to English dictionary.

(i) Episode (ii) Epistle (iii) Episgraph (iv) Epigraph

(A) (i), (ii), (iii), (iv)
(B) (iv), (ii), (i), (iii)
(C) (iii), (ii), (i), (iv)
(D) (iv), (iii), (i), (ii)

85. In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C ; who is the brother of A. E is the sister of D. B is the daughter-in-law of F, whose husband has died. How is E related to C ?

(A) Cousin
(B) Sister
(C) Mother
(D) Daughter

86. Pointing to a man in a photograph. Asha said, "His mother's only daughter is my mother." How is Asha related to that man ?

(A) Nephew (B) Wife

(C) Niece (D) Sister

87. Next number in the number sequence is 22, 11, 33, 16.5, 49.5 ?

(A) 22.75 (B) 20.75

(C) 24.75 (D) 26.75

88. 'Arrange the words given below in a meaningful sequence.

(i) Elephant (ii) Cat (iii) Mosquito (iv) Tiger (v) Whale

(A) (i), (iii), (v), (ii), (iv) (B) (iii), (ii), (i), (iv), (v)

(C) (iii), (ii), (iv), (i), (v) (D) (ii), (v), (i), (iv), (iii)

89. Sundar runs 20m towards East and turns to right and runs 10m. Then he turns to the right and runs 9m. Again he turns to right and runs 5m. After this he turns to left and runs 12m and finally he turns to right and runs 6m. Now to which direction is Sundar facing ?

(A) North (B) West

(C) East (D) South

90. Three of the following four are alike in a certain way and hence form a group. Which is the one that does not belong to that group ?

(A) Rice (B) Barley

(C) Mustard (D) Wheat

91. Coding-Decoding

If Pour is written as 4156

Sware is written as 78269

Clear is written as 3@926

Then what is the code for PEARL = ?

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(A) 429@6

(B) 4962@

(C) 4692@

(D) 4926@

92. If Anirban borrows Rs. 72,000 from Akash at rate of simple interest 6%, at the end of four years how much interest amount Anirban has to pay ?

(A) Rs. 16,540

(B) Rs. 17,280

(C) Rs. 18,560

(D) Rs. 17,460

93. Worker X completes a task in 8 days and worker Y completes the same task in 10 days. If both X and Y work together, in how many days they will complete the task?

(A) $\frac{40}{10}$ days

(B) $\frac{40}{9}$ days

(C) $\frac{40}{7}$ days

(D) $\frac{40}{8}$ days

94. A father is twice as old as his son. If 30 years ago the age of the father was 5 times the age of the son, what is the present age of the father ?

(A) 80 years

(B) 75 years

(C) 60 years

(D) 85 years

95. If January 1st, 2000, was Saturday, what day of the week was January 1st, 1999 ?

(A) Saturday

(B) Sunday

(C) Friday

(D) Wednesday

96. A tap can fill in 8 minutes and another tap can empty in 16 minutes. If both are opened simultaneously, when will be the tank full ?

(A) After 32 minutes
(B) After 24 minutes
(C) After 16 minutes
(D) None of these

97. In a kilometer race, A beats B by 80 meters or by 10 seconds. What is the time taken by A over the course ?

(A) 120 seconds
(B) 110 seconds
(C) 115 seconds
(D) 100 seconds

98. The surface area of a cube is 2400 cm^2. The length of its diagonal is

(A) 20 cm
(B) $20\sqrt{3}$ cm
(C) $\frac{20}{\sqrt{3}}$ cm
(D) $10\sqrt{3}$ cm

99. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500. the number of valid votes that the other candidate got, was

(A) 2500
(B) 2900
(C) 3100
(D) 2700

100. Average weight of boys in a class is 55 kg while average age of girls in the same class is 35 kg. If the average of all the students in the class is 40 kg, find the ratio of boys and girls in the class.

(A) 3 : 1
(B) 2 : 3
(C) 1 : 3
(D) 3 : 2